

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▼ Herwig 7.2.1 softTune

 $1/N_{\text{ev}} dN_{\text{ev}}/d\text{sum } p_{\text{T}} d\eta d\phi \text{ [GeV]}^{-1}$ Rivet 3.1.10, $\geq 2.8\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_I1736531

Ratio to ATLAS

2

1

0.5

sum $p_{\text{T}}/d\eta d\phi \text{ [GeV]}$ 